Curriculum Vitae
Douglas Edward Fitzovich, Ph.D.

Education

Institution	Degree	Date	Area
University of Kentucky Lexington, KY	B.G.S.	1979	General Studies
University of Kentucky	Ph.D.	1987	Physiology & Biophysics

Employment History

Institution	Title	Dates	Supervisor
Dept. Experimental Pathology, Univ. of Kentucky, Lexington	Principal Laboratory Technician	10/77-8/79	D. Goldenberg
Dept. of Biology, Kentucky State Univ. Frankfort, KY	Adjunct Instructor	9/83-6/84	C. Bennett
Dept. Physiology & Biophysics, Univ. of Kentucky, Lexington	Research Asst.	9/79-6/87	D.C. Randall
Dept. Physiology & Biophysics, Univ. Mississippi Medical Center, Jackson	Research Associate	6/87-9/88	D.B. Young
Dept. Physiology & Biophysics, Univ. Mississippi Medical Center, Jackson	Instructor	9/88 - 7/91	D.B. Young
Dept. Physiology Ponce School of Medicine Ponce, PR	Assistant Professor	8/91 - 6/97	Howard Mass
Dept. Physiology Ponce School of Medicine Ponce, PR	Associate Professor	7/97 - 7/98	Howard Mass
Pikeville College School of Osteopathic Medicine Pikeville, Kentucky	Associate Professor	8/98 – 5/2006	J. Strosnider
Pikeville College School of Osteopathic Medicine Pikeville, Kentucky	Professor	6/2006 – 7/2008	B. Buser
Lincoln Memorial University DeBusk College of Osteopathic Medicine Harrogate, TN	Professor	7/2008 – present	N. Cross

Service Responsibilities

Ponce School of Medicine

Academic Year Director for the First Year Curriculum
Chair, Institutional Animal Care and Use Committee
Representative, Academic Senate
Member of Library Committee and Research Committee
Member of Faculty Forum
Admissions Interviewer
Course Director Neuroscience

Pikeville College School of Osteopathic Medicine

Chair, Faculty Committee for SACS accreditation
Member, Steering Committee for SACS accreditation
Coordinator, First Year PCSOM curriculum, 1999-2008
Chair, Task Force on Benefits, Pikeville College
Course Director Medical Physiology
Curriculum Committee 1999 – 2003 and 2006 – 2008
Instructional Resources Committee 1998 - 2001
Promotion and Matriculation Committee 1999 - 2006
Chair, Promotion and Matriculation Committee 2003 – 2005
Chair, Faculty Congress of PCSOM 2002 – 2005
Chair, Admissions Committee 2007 – 2008; member, 2006 – 2008; interviewer 1998 – present

Lincoln Memorial University, DeBusk College of Osteopathic Medicine

Handbook Committee, member 2008 – present
Promotion and Multi-year Contracts Committee, 2008 – present
Physician's Assistant Program curriculum development
Cardiovascular System Coordinator (secondary), 2008, 2009, 2010
Renal System Coordinator (primary), 2009, 2010 (secondary)

Teaching Experience

1983 - 1984 Kentucky State University, Frankfort: As Adjunct Instructor, solely responsible for teaching an undergraduate course in Anatomy and Physiology, including lecture and laboratory: 180 contact hours.

1980 - 1987 University of Kentucky:

A. Laboratory for Medical Physiology, approximately 8 hours/week during each Spring semester.
B. Sophomore level course: lectures on cardiovascular physiology in 1985 - 1987.
C. 1987 PGY 502: Cardiac muscle physiology and action potential
D. 1985: Summer enrichment course in human biology for gifted high school students.

1987 - 1991 University of Mississippi Medical Center

A. Undergraduate Physiology for nursing students
B. Graduate Physiology course for students in M.S. Nursing program
C. Medical Student laboratory
D. Dental Student Physiology

1991 – 1998 Ponce School of Medicine

Medical Physiology: Lectures, laboratories and small group discussions.
Facilitator, 1994 – 1998, Problem Based Learning course
Course Director for the Neuroscience course, Spring Semester 1997 & 1998.
Surgery Clerkship Conferences: Lectures on adrenal function, gastrointestinal function.
Invited Speaker to the Program Directors Meeting of the Research Centers at Minority Institutions of NIH
1998 Guest Lecturer, Renal Physiology, Universidad Autonoma de Guadalajara

1998 – 2008 Pikeville College School of Osteopathic Medicine

1998 - present Course Director and lecturer, Medical Physiology, Pikeville College School of Osteopathic Medicine

1999 - 2003 Guest Lecturer, Endocrine Physiology and Renal Physiology, Universidad Autonoma de Guadalajara
1999 - 2007 Lecture in Medical Pharmacology: Pathophysiology of Heart Failure
2003 – 2008 COMLEX and USMLE Exam Prep Lecturer, Kaplan Medical

2008 – present Lincoln Memorial University, DeBusk College of Osteopathic Medicine
Lectures in:
Cardiovascular System
Renal System
Molecular Foundations of Medicine II
Heme/Lymph System
Behavioral Neuroscience
Neuromuscular /Skeletal System
PA Physiology and Pathophysiology I
PA Physiology and Pathophysiology II
PA Physiology and Pathophysiology III
PA Physiology and Pathophysiology IV

Specialized Training in Teaching
Problem Based Learning Facilitator Training Workshop
Problem Based Learning Case Development Workshop
National Board of Medical Examiners, USMLE Item Writing Workshop (twice)
Review of USMLE Step I and Step II examinations (twice each)
National Board of Osteopathic Medical Examiners, COMLEX Item Writing Workshop and review of COMLEX examination (3 times)

Honors and Awards
University of Kentucky College of Arts and Sciences: Dean's List, 1972 & 1973.
University of Kentucky Graduate School: Research Fellow, 1981-1982.
Juvenile Diabetes Foundation Post-Doctoral Fellow 7/89 -6/91
American Heart Assoc., Mississippi Affiliate: Ernest G. Spivey Research Award, 1990.

Bibliography

Books

MedEssentials for the USMLE Step 1,1st edition, Manley, M and Manly, L. Kaplan Publishing, 2005: Contributing Author
MedEssentials for the USMLE Step 1, 2nd edition, Manley, M and Manly, L. Kaplan Publishing, 2007: Contributing Author
MedEssentials for the USMLE Step 1, 3rd edition., Manley, M and Manley, L., Kaplan Publishing, 2009: contributing author
Physiology Notes, Kaplan Inc., 2006: Editor and Contributing Author
Physiology Notes, Kaplan Inc., 2007: Editor and Contributing Author
Physiology Notes, Kaplan Inc., 2008: Editor and Contributing Author
Physiology Notes, Kaplan Inc., 2009: Editor and Contributing Author
Physiology Notes, Kaplan Inc., 2010: Editor and Contributing Author

On-line Materials
2005 – present; Kaplan Q Bank
Kaplan Diagnostic Exam
Kaplan Board Prep and WebPrep

Reviews
1. Fitzovich, Douglas E.: Diabetes and the heart. J Med Tech 3(1): 29-33, 1986.

Articles

1. Legan, S. J., H. I'Anson, B. Fitzgerald and D. E. Fitzovich: Does the seasonal increase in estradiol negative feedback prevent luteinizing surges in anestrous ewes by suppressing hypothalamic gonadotropin-releasing hormone pulse frequency? Biol Repro 33: 117-131, 1985.

2. Vallance, S.R., D.E. Fitzovich, G.E. Billman and D.C. Randall: Effect of Innovar upon the autonomic control of the heart in intact dog. J Autonom Nerv Sys 23: 47-54, 1988.

3. Furedy, J.J, D.C. Randall, D.E. Fitzovich and D. Shulhan. Human Pavlovian HR decelerative conditioning with negative tilt as US: Evidence of vagal and sympathetic influences on the UR in dogs. Internatl J Psychophysiol 7(1): 25-33, 1989.

4. Fitzovich, D.E. and D.C. Randall: Modulation of baroreflex by varying insulin and glucose in conscious dogs. Am J Physiol 258: R624-R633, 1990.

5. Fitzovich, D.E., M. Hamaguchi, W.B. Tull and D.B. Young. Chronic hypokalemia and the left ventricular responses to epinephrine and preload. J Am Coll Cardiol 18: 1105-11, 1991.

6. Young, D.B., N. Srivastava, D.E. Fitzovich, S.D. Kivlighn, M. Hamaguchi. Potassium and catecholamine concentrations in the immediate post exercise period. Am J Med Sci 304: 150-153, 1992.

7. Mass, H., B. Pirazzi, P. Gonzalez, V. Collazo, D. Fitzovich and E. Avakian. N-acetylcysteine diminishes injury induced by balloon angioplasty of the carotid arteru in rabbits. Biochem and Biophys Res Comm 215: 613-618, 1995.

8. Fitzovich, D.E. and D.B. Young. Effects of chronic hypokalemia upon the cardiac output response to preload in conscious dogs. (In preparation.for submission to Am J Physiol).

9. Fitzovich, D.E., M. Hamaguchi, and D.B. Young. Effects of acute hyperkalemia and hypokalemia on cardiac responses to epinephrine. (In preparation.for submission to Am J Physiol)

Abstracts

1. Fitzovich, D.E. and D.C. Randall: Development of a controlled insulin preparation in conscious, chronically instrumented dogs. Fed Proc 43: 526, 1984.
2. Furedy, J.J., D. Shulhan, D.C. Randall and D.E. Fitzovich: Mechanisms of the negative-tilt-induced baroreflex in dog. The Physiologist 27: 223, 1984.

3. Fitzovich, D.E. and D.C. Randall: The effects of Innovar sedation on the responses to bilateral carotid occlusion and dobutamine in conscious, chronically instrumented dogs. J Mol Cell Card 17: XXII, 1985.

4. Fitzovich, D.E. and D.C. Randall: The effects of insulin level on the responses to bilateral carotid occlusion and dobutamine in conscious, chronically instrumented dogs. The Physiologist 28: 362, 1985.

5. Fitzovich, D.E. and D.C. Randall: Modulation of the response to bilateral carotid occlusion by varying insulin level in dogs. The Physiologist 29: 112, 1986.

6. Randall, D.C., D.E. Fitzovich, J.G. Felker and K.A. Ogilvy: Cardiovascular responses to bilateral carotid occlusion (BCO) before vs. after Innovar in intact dog. The Physiologist 29: 108, 1986.

7. Fitzovich, D.E. and D.B. Young. Cardiac function in chronically potassium depleted dogs. FASEB J 3: A576, 1989.

8. Fitzovich, D.E., D.B. Young and M. Hamaguchi. Left ventricular function in chronic potassium depletion. J Am Coll Cardiol 15: 47A, 1990.

9. Fitzovich, D.E., M. Hamaguchi, W.B. Tull and D.B. Young. Diuretic-induced hypokalemia: Effects on the left ventricular volume responses to preload. FASEB J 4: A821, 1990.

10. Young, D.B., D.E. Fitzovich, N. Srivastava, S.D. Kivlighn and M. Hamaguchi. Post-exercise sudden death: relationship to plasma potassium. FASEB J 4: A681, 1990.

11. Fitzovich, D.E., M. Hamaguchi, W.B. Tull and D.B. Young. Diuretic-induced hypokalemia: differential effects on cardiac contraction and relaxation. Am J Hypertension 3: A1, 1990.

12. Fitzovich, D.E., M. Hamaguchi, W.B. Tull, and D.B. Young. Computer-based Analysis of Left Ventricular Function. FASEB J 5: A1415, 1991.

13. M. Hamaguchi, D.E. Fitzovich and D.B. Young. Effects of rapid changes in blood potassium level on the cardiac inotropic response to epinephrine. FASEB J 5: A1415, 1991.

14. Silva, F., D.E. Fitzovich and T. Frazer de LLado. A canine model of whole-body glucose turnover in acute myocardial infarction. MBRS National Symposium, 1992.

15. Pirazzi, B., P. Gonzalez, E. Avakian, D. Fitzovich, V. Collazo and H. Mass. N-acetylcysteine diminishes vascular injury produced by coronary angioplasty in rabbits. FASEB J 9(3): A343, 1995.

16. Fitzovich, D.E. and Yonts, R. Teaching pathophysiology in a systems-based curriculum: use of a Student Auscultation Manikin (SAM). FASEB J 24(Meeting Abstract Supplement): 444.7, 2010.

Extramural Support

American Heart Assoc., Kentucky Affiliate: Research Grant-in-Aid entitled "Modulation of cardiac function by varying insulin levels". Co-Investigator with David C. Randall, PI. 7/1/85 - 6/30/86.

Juvenile Diabetes Foundation International: Post-Doctoral Fellowship entitled "Hypertension and myocardial infarction in diabetes." 7/1/89 - 6/30/91

American Heart Assoc., Mississippi Affiliate: Research Grant-in-Aid entitled "Cardiac hypertrophy, hypertension and hypokalemia." 7/1/90 - 6/30/92